

Appendix Four: Answers to quiz questions

Chapter 4 quiz

1. Name the three jet streams? **Arctic, Polar, Sub-tropical.**
2. True/False: Glacier winds only occur at night? **False.**
3. Barrier jets form when the lower atmosphere is _____. **Stable.**
4. True/False: Downslope wind storms only form when the upstream wind is nearly parallel with the mountain range? **False-** the winds should be perpendicular to the mountains.
5. True/False: Valley winds develop faster than slope winds? **False-** slope winds generally develop faster than valley winds because there is less air to heat over the slopes than in a valley.
6. True/False: The stronger the bond between ice particles, the more difficult it is for the wind to transport it? **True.**
7. Slope winds take about _____ minutes to develop after sunlight 'heats' the air. **Roughly 30 minutes.**
8. True/False: Downslope windstorms are common in the western Rockies? **False-** they are common along the eastern slopes of the Rockies.